Robust Semantics for Semantic Parsing

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Abstract

The paper presents a robust semantics for NLP applications including QA, text entailment and SMT that combines a (fairly) standard treatment of logical operators such as negation and quantification (Steedman 2012) with a highly nonstandard paraphrase- and entailment--based semantics of relational terms derived from text data by machine reading (Lewis and Steedman 2013a; 2013b). I'll consider the extension of the latter component to temporal and causal entailment using text-based methods, building on Lewis and Steedman 2014.